

2021 Annual Climate Summary

Overview



2021 was another **warmer** and **drier** than normal year for New Mexico!

The 2021 average statewide temperature (through November) was 56.6°, which was 1.7° above the (11-month) normal of 54.9°. 2021 was tied for the 12th warmest year on record (through November). **Note: Normals used for this statewide data are from 1901 through 2000.**

The 2021 statewide precipitation (through November) averaged 11.89" with a normal of 13.25", or 1.36" below normal. 2021 was the 41st driest year on record (through November).

The complete state temperature and precipitation data for New Mexico in 2021 should be available by January 10, 2022.

Our three climate sites, Albuquerque, Clayton and Roswell, were all warmer than normal in 2021. Albuquerque and Clayton were drier than normal, while Roswell was wetter than normal. Albuquerque tied the 10th warmest year on record and was 19th driest; Clayton tied the 20th warmest and was 23rd driest, while Roswell was the 6th warmest and was 29th wettest. Details can be seen below. **Note: Normals used for individual climate cities are from 1991-2020 (the new 30-year normals).**



May 31 Hagerman Flooding on Feliz River – courtesy of Jerry Wheeler



June 12 Las Vegas Tornado – courtesy of Spencer Dant

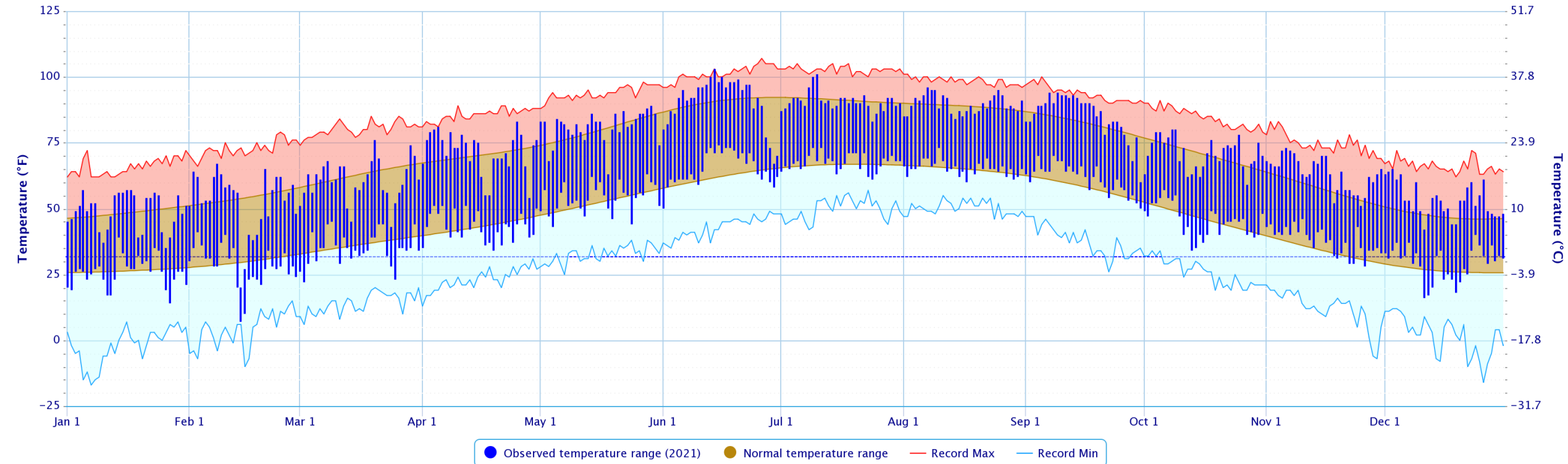


March 24 Mora snow - photo courtesy of Lisa Blackburde via Twitter

Average Temperature: 59.0°

Daily Temperature Data – Albuquerque Area, NM (ThreadEx)

Period of Record – 1891-12-01 to 2022-01-04. Normals period: 1991-2020. Click and drag to zoom chart.

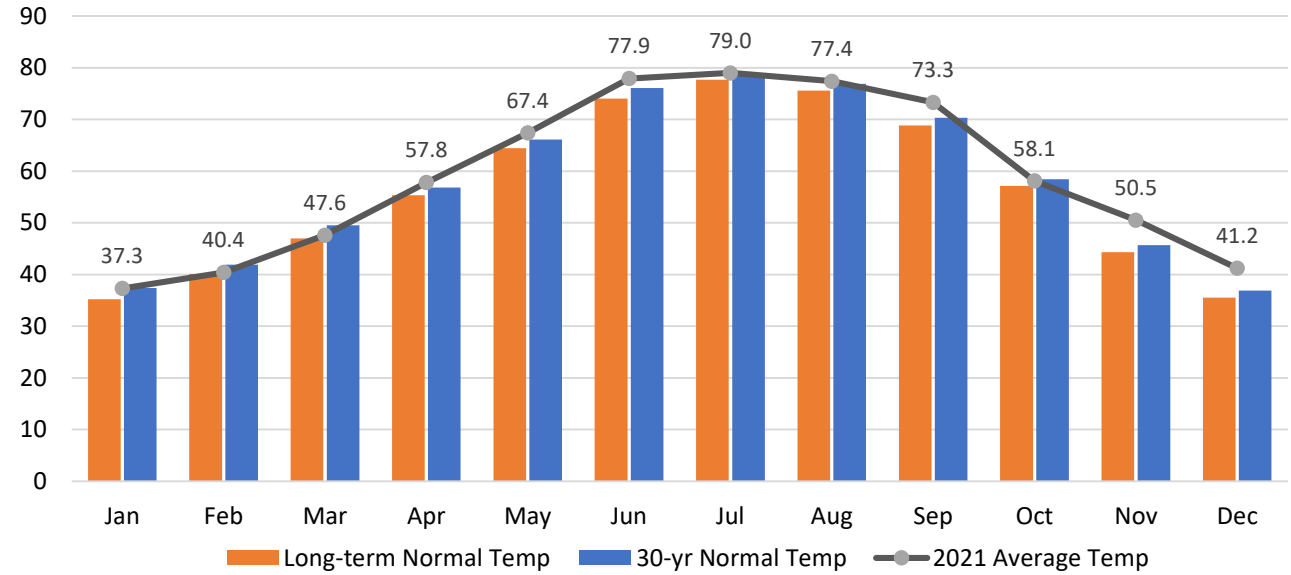


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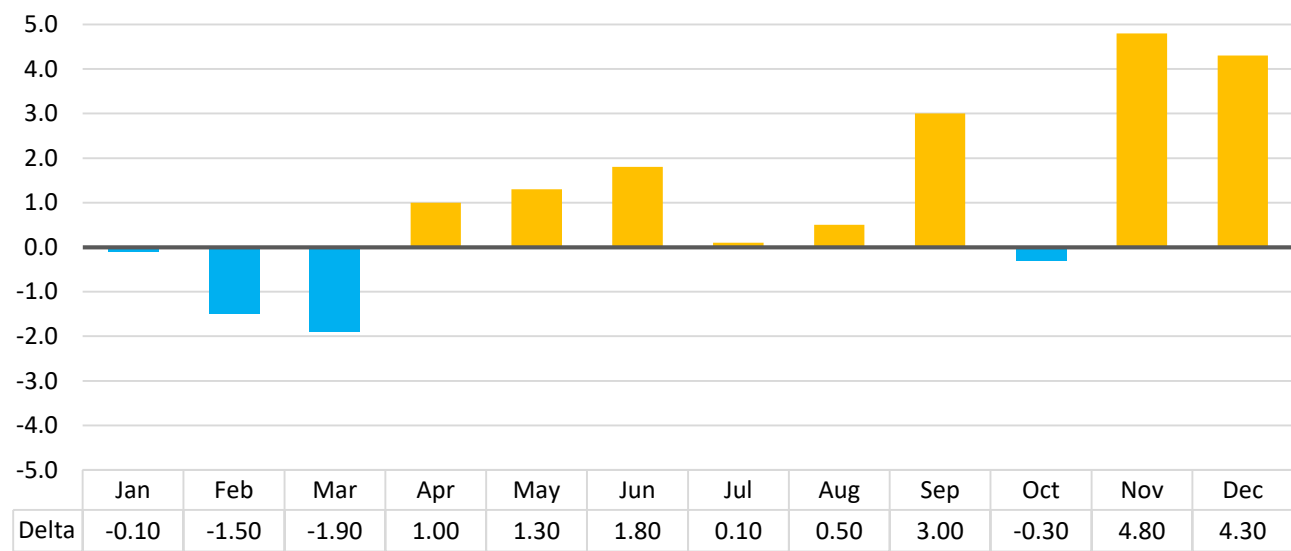
The average temperature for Albuquerque in 2021 was 59.0°, which was 1.1° above the normal of 57.9°. The average maximum temperature was 71.6°. This was 1.3° above the normal average maximum temperature of 70.3°. The average minimum temperature was 46.4°. This was 0.9° above the normal average minimum temperature of 45.5°.



Albuquerque 2021 Monthly Precipitation



Albuquerque Monthly Temperature Departure from 30-Year Normal

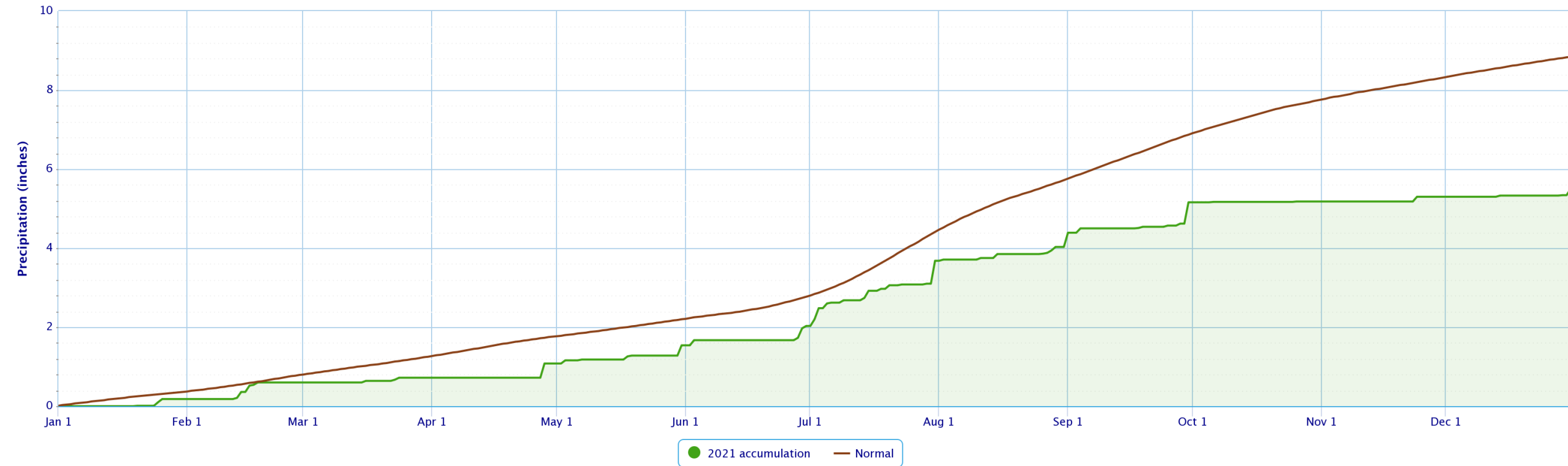


Average temperatures for the Albuquerque Sunport in 2021 were above normal once again. The first three months of the year started out near to below normal but above normal temperatures persisted for the rest of the year with the exception of October, which was close to average. November was an impressive 4.8° above normal and December 4.3° above normal.

Total Precipitation: 5.50"

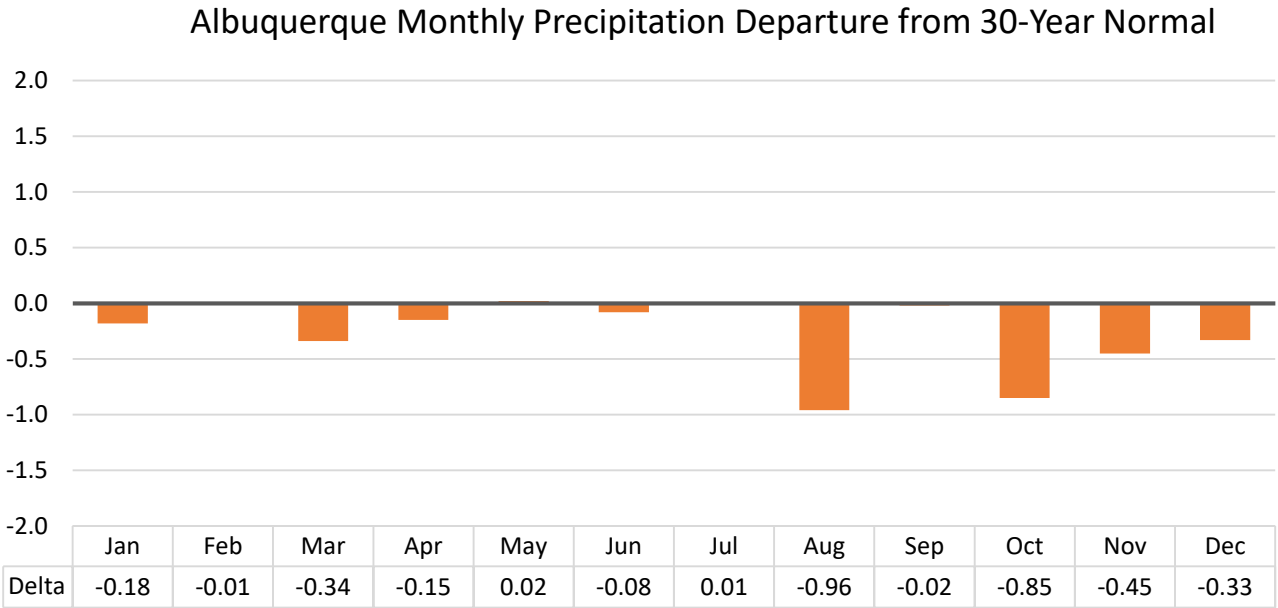
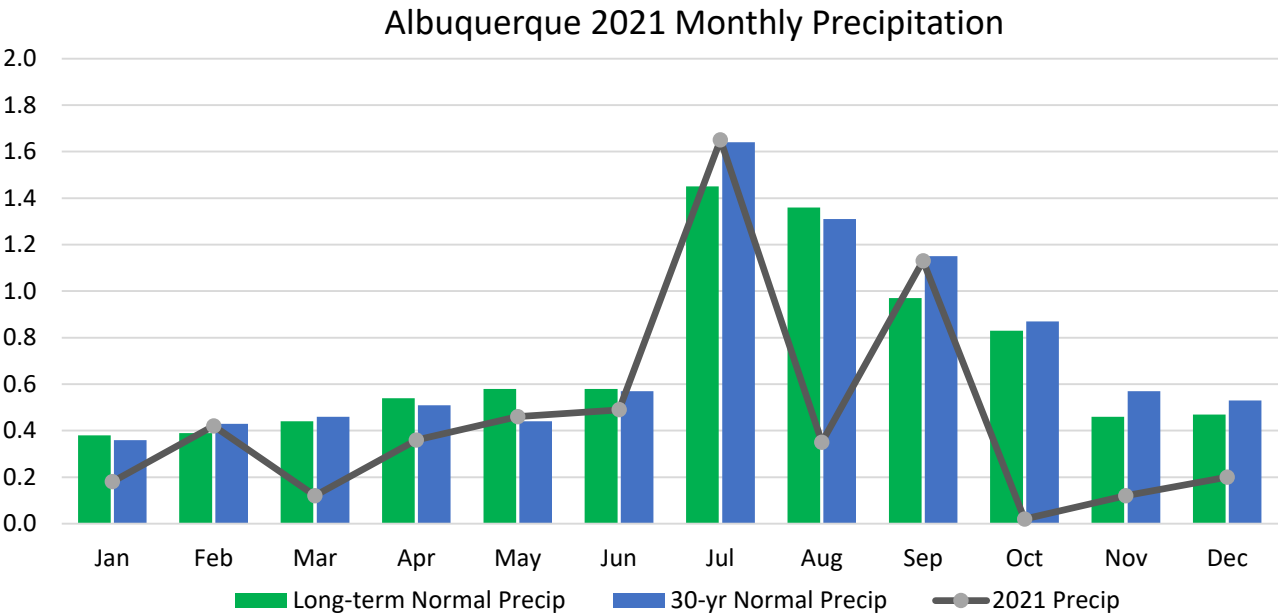
Accumulated Precipitation – Albuquerque Area, NM (ThreadEx)

Click and drag to zoom to a shorter time interval; green/black diamonds represent subsequent/missing values



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The total precipitation for Albuquerque was 5.50", which was 3.34" below the normal yearly precipitation of 8.84". This was the 19th driest year on record.



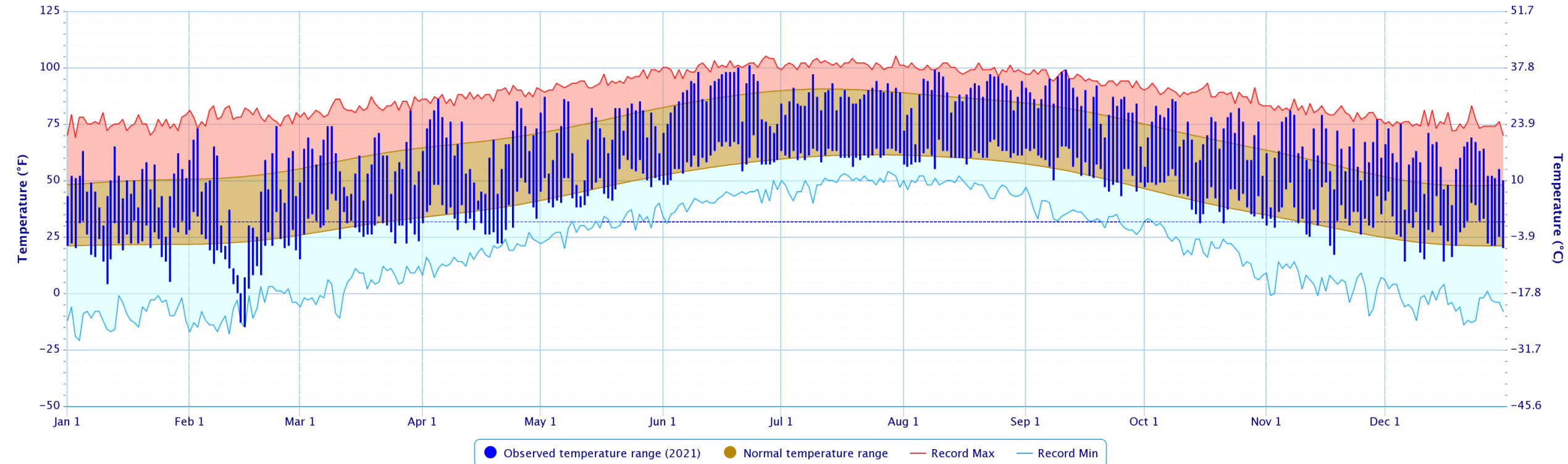
Precipitation at the Albuquerque Sunport for 2021 was below normal once again. February, May, July, and September were close to normal but dry conditions prevailed during most months. This was the 19th driest year on record.

There was 9.4” of snow in calendar year 2021, compared to the normal of 7.9”.

Average Temperature: 55.3°

Daily Temperature Data – Clayton Area, NM (ThreadEx)

Period of Record – 1896-02-01 to 2022-01-04. Normals period: 1991-2020. Click and drag to zoom chart.

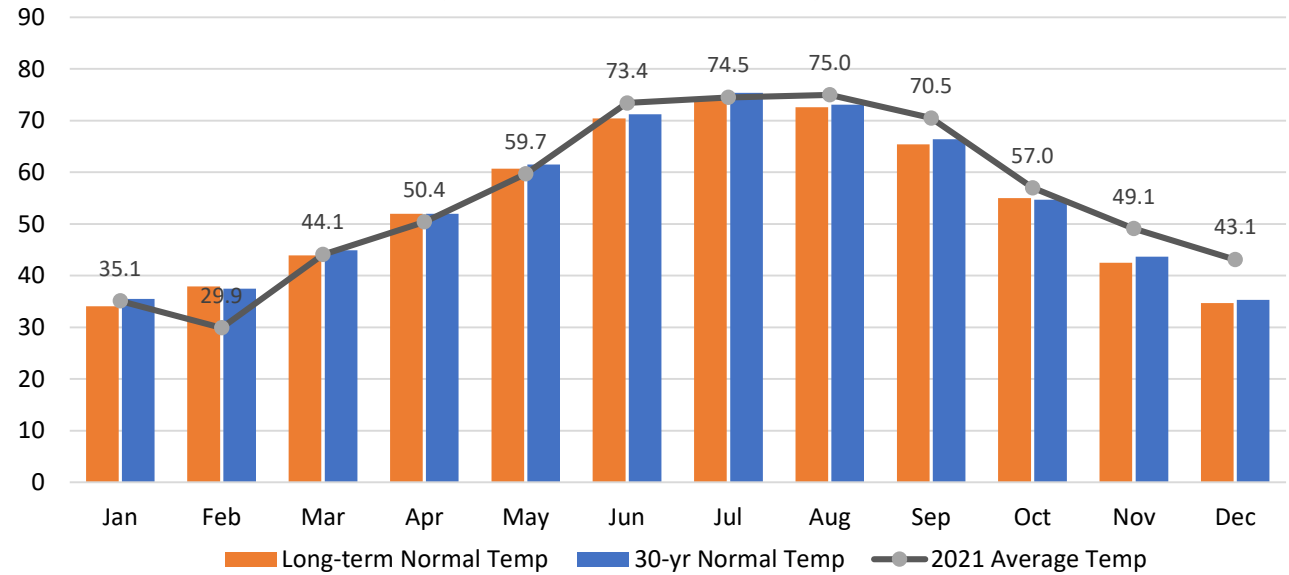


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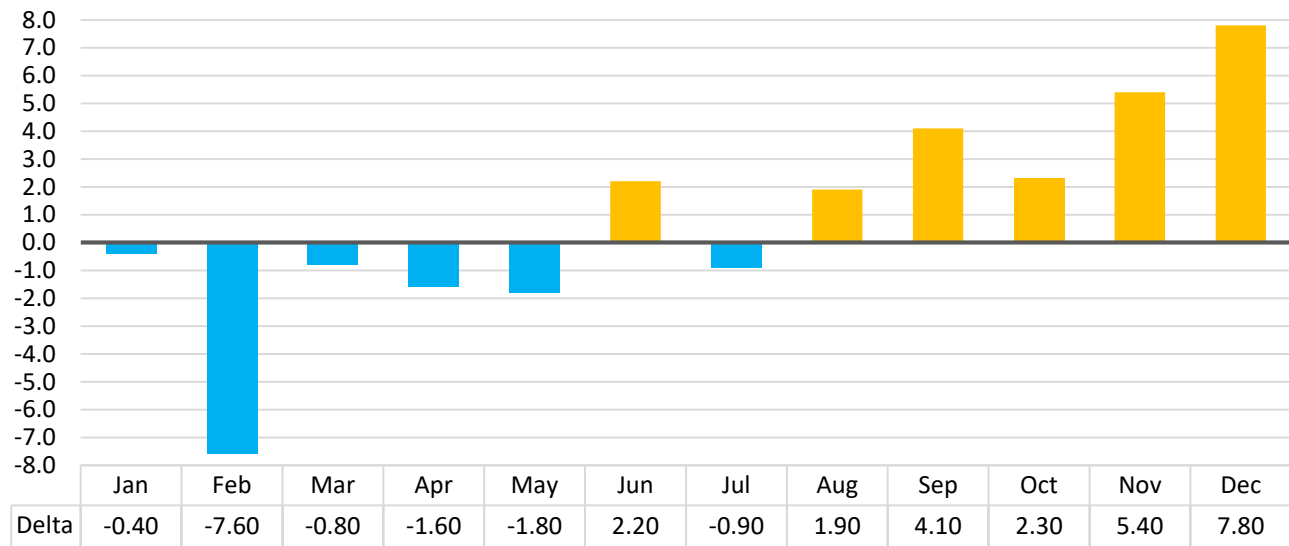
The average temperature for Clayton was 55.3°, which was 1.0° above the normal of 54.3°. The average maximum temperature was 69.5°. This was 0.8° above the normal average maximum temperature of 68.7°. The average minimum temperature was 41.1°. This was 1.2° above the normal average minimum temperature of 39.9°.



Clayton 2021 Monthly Precipitation



Clayton Monthly Temperature Departure from 30-Year Normal



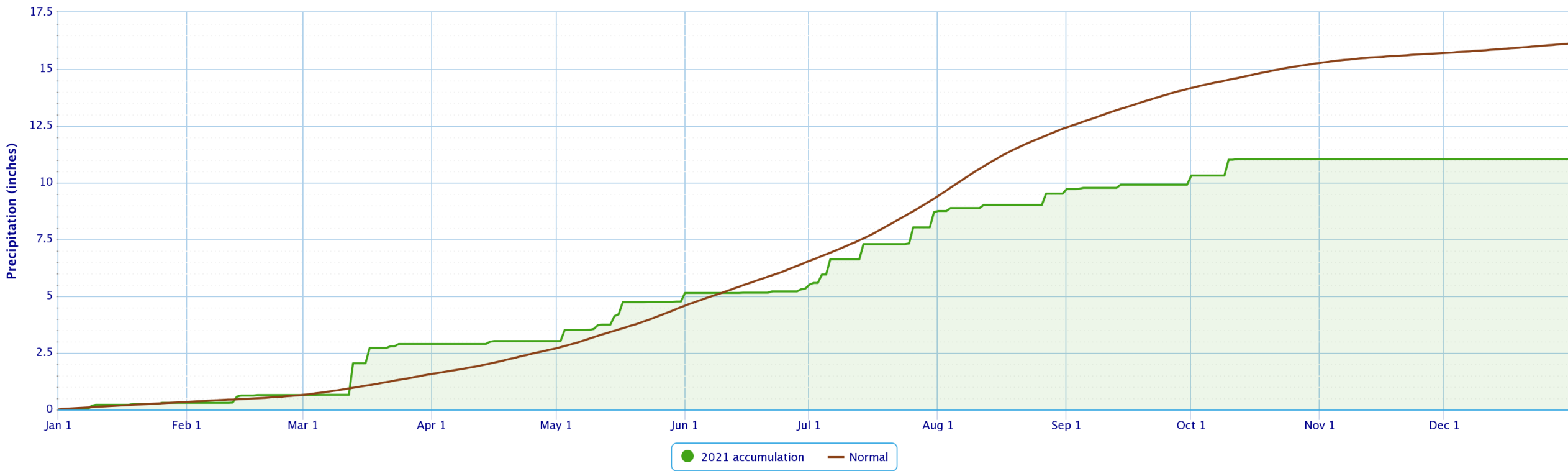
Average temperatures for the Clayton Airport in 2021 were above normal once again. The first 5 months were all below normal, and six of the first seven were below normal. February was easily the coldest on record at 7.6° below normal. The last 5 months of the year were above normal with a peak of 7.8° above normal in December. But, for the whole year, 2021 was tied for the 20th warmest year on record.



Total Precipitation: 11.04"

Accumulated Precipitation – Clayton Area, NM (ThreadEx)

Click and drag to zoom to a shorter time interval; green/black diamonds represent subsequent/missing values

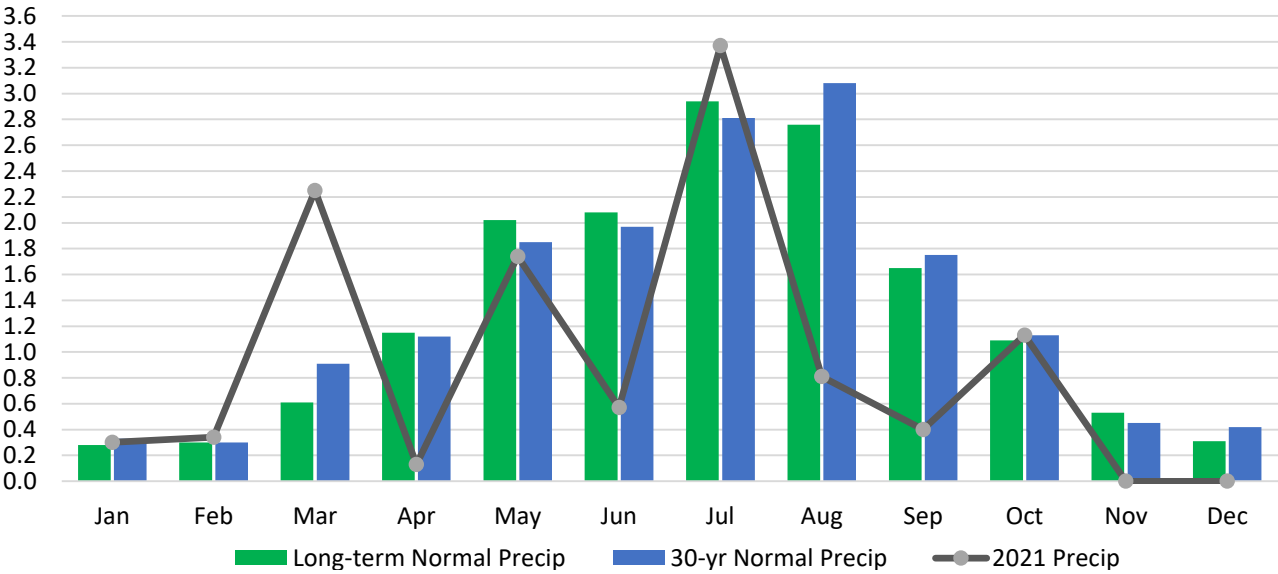


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The total precipitation for Clayton in 2021 was 11.04", which was 5.08" below the normal of 16.12". This ranks as the 23rd driest year on record.

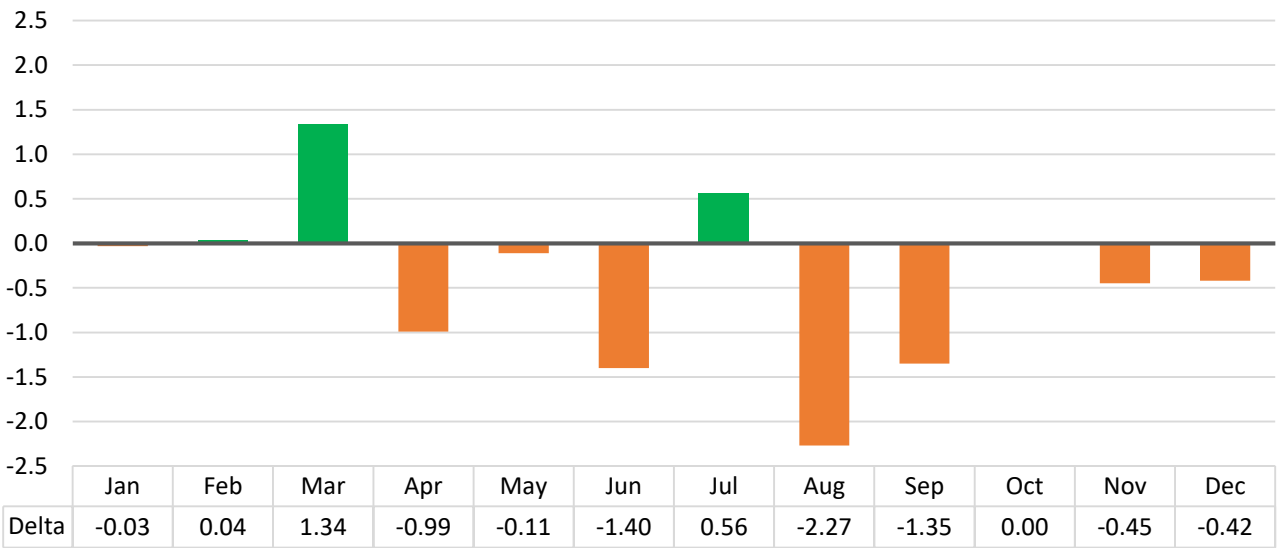


Clayton 2021 Monthly Precipitation



Only 2 months had above normal precipitation at Clayton and 3 months were close to normal (October was exactly normal). The remaining 7 months of 2021 were below normal. This was the 23rd driest year on record.

Clayton Monthly Precipitation Departure from 30-Year Normal

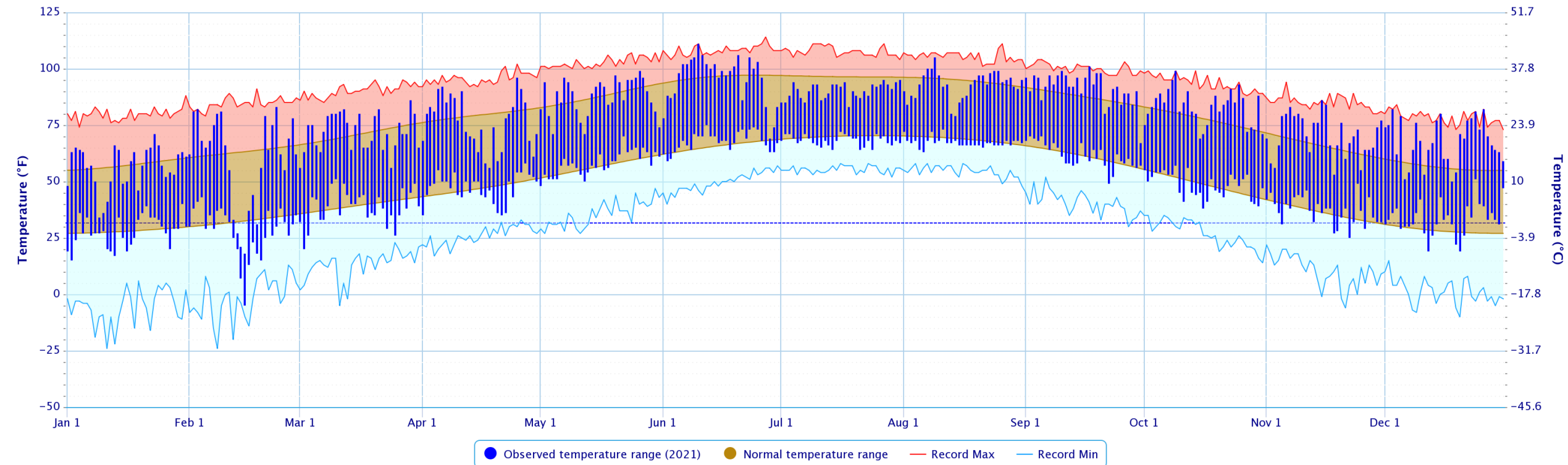


There was 17.0” of snow in calendar year 2021, compared to the normal of 22.3”.

Average Temperature: 63.7°

Daily Temperature Data – Roswell Area, NM (ThreadEx)

Period of record – Max temperature: 1893-01-03 to 2022-01-04; Min temperature: 1893-01-21 to 2022-01-04. Normals period: 1991–2020. Click and drag to zoom chart.

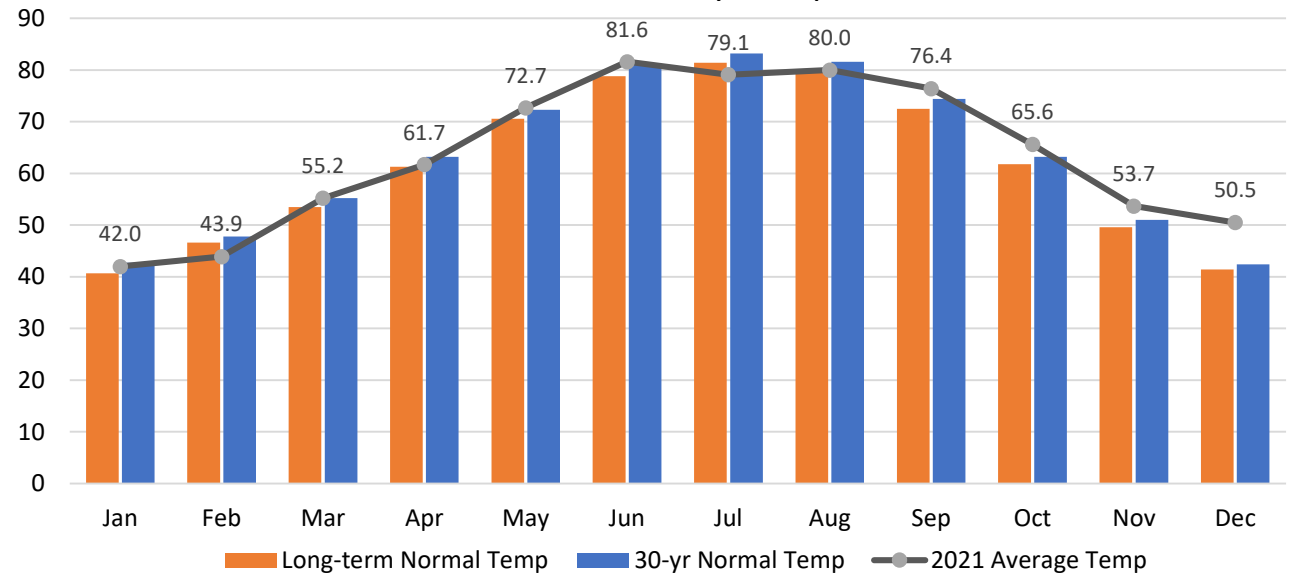


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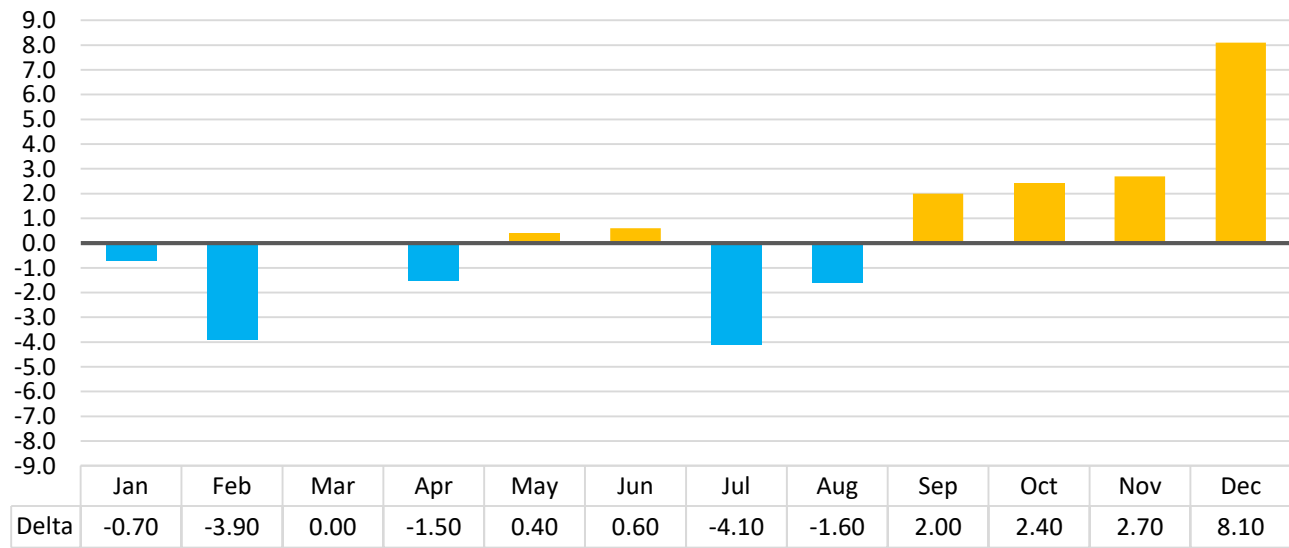
The average temperature for Roswell was 63.7°, which was 0.5° above the normal of 63.2°. The average maximum temperature was 78.7°. This was 0.9° above the average maximum temperature of 77.8°. The average minimum temperature was 48.6°. This was 0.1° above the normal average minimum temperature of 48.5°.



Roswell 2021 Monthly Precipitation



Roswell Monthly Temperature Departure from 30-Year Normal

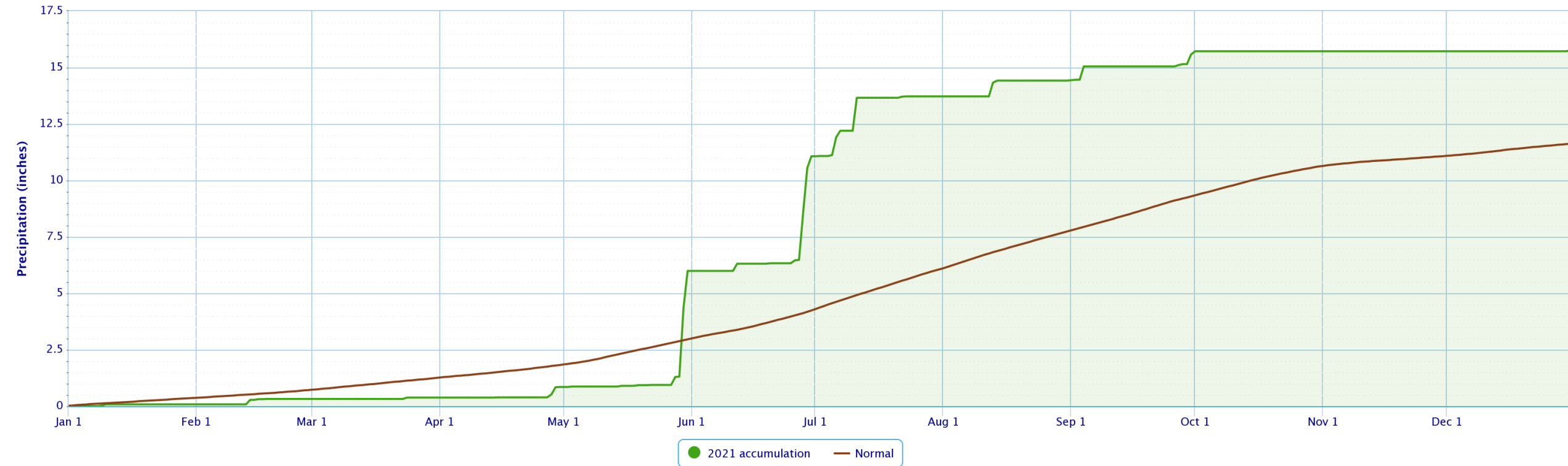


Average temperatures at the Roswell Industrial Air Park in 2021 were above normal once again. Five months were below normal, six months above normal and March was exactly normal. February and July were significantly below normal, both around four degrees. The year ended with the last four months all above normal and December was the warmest on record at 8.1° above normal.

Total Precipitation: 15.78"

Accumulated Precipitation – Roswell Area, NM (ThreadEx)

Click and drag to zoom to a shorter time interval; green/black diamonds represent subsequent/missing values

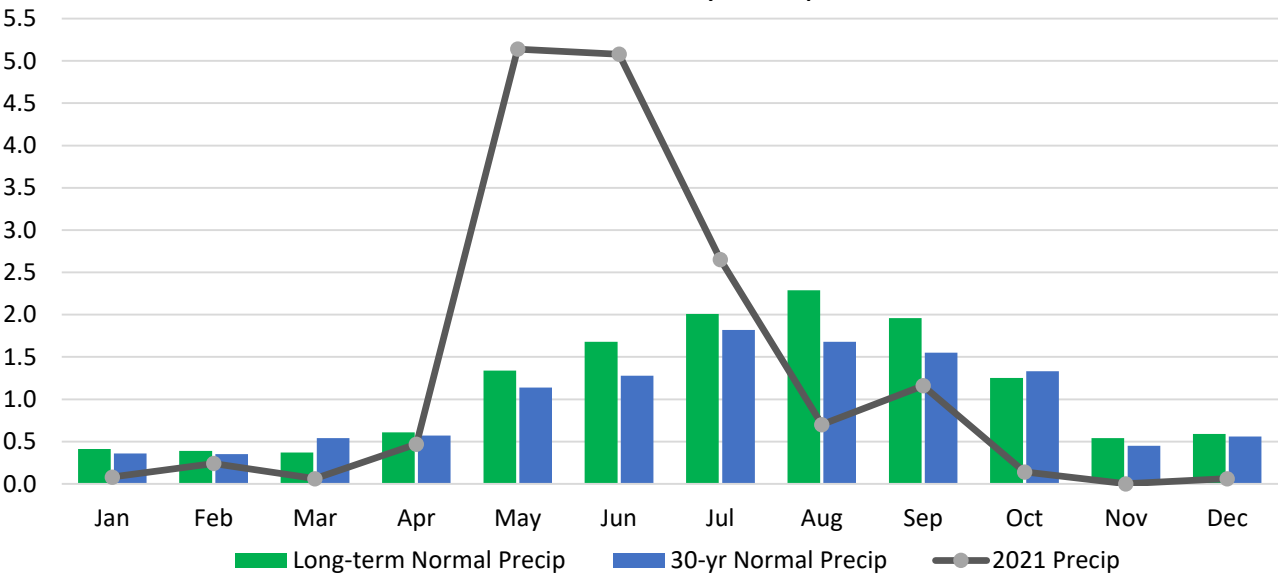


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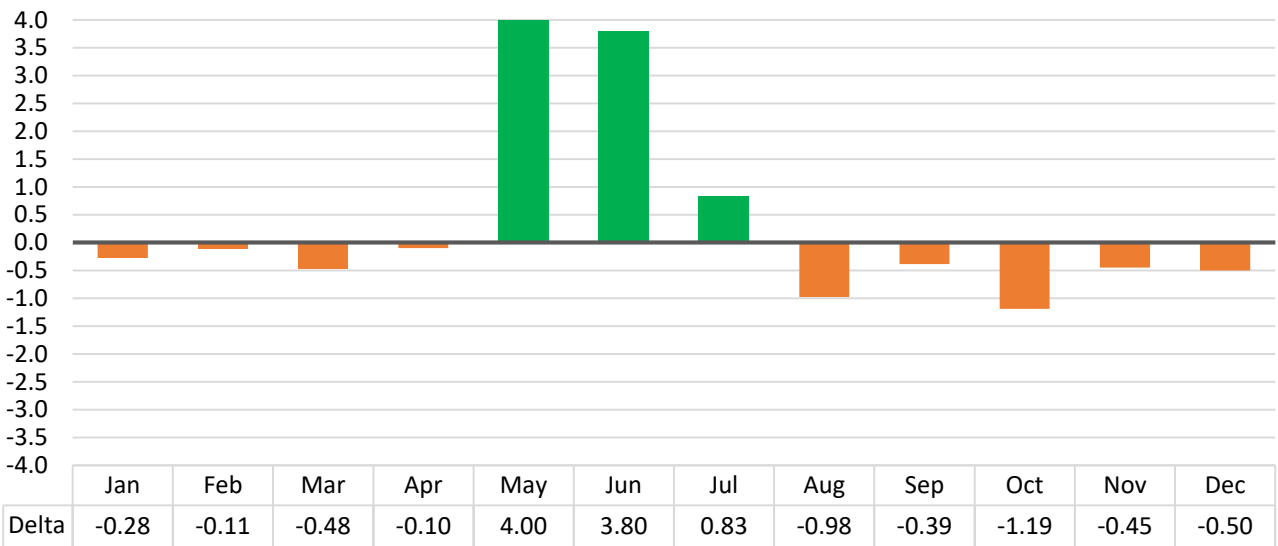
The total precipitation for Roswell in 2021 was 15.78", which was 4.15" above the normal of 11.57". This ranks as the 29th wettest year on record.



Roswell 2021 Monthly Precipitation










Roswell Monthly Precipitation Departure from 30-Year Normal



Precipitation at the Roswell Industrial Air Park was above normal for the first time since 2015. The annual total was 15.78", which was 4.15" above the normal of 11.63". Only three months of the year had above normal precipitation, but two of these were near-record setters: May and June both had their 3rd wettest months on record.

There was 6.0" of snow in calendar year 2021, compared to the normal of 9.6".

-  NCEI Climatological Rankings: <https://www.ncdc.noaa.gov/cag/national/rankings>
-  PRISM Climate Data: <http://www.prism.oregonstate.edu/>
-  NWS Local Climate Pages: <https://w2.weather.gov/climate/index.php?wfo=abq>
-  NCEI Storm Data: <https://www.ncdc.noaa.gov/stormevents/>
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